

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (currently amended) A method for remotely downloading data to a selected one of a plurality of electronic line replaceable units (LRUs) on an mobile-platform aeronautical vehicle, said method comprising:

transmitting a message wirelessly to a receiver on the mobile-platform aeronautical vehicle identifying an LRU to which data is to be downloaded;

remotely operating a software-controlled switch to electronically configure a communication path between the identified LRU and an mobile-platform aeronautical vehicle data services link in response to said message identifying the LRU; and

wirelessly downloading data from the receiver to the identified LRU utilizing the remotely electronically configured communication path.

2. (currently amended) A method in accordance with Claim 1 wherein the mobile platform aeronautical vehicle is an aircraft and the remotely electronically configured communication path is an ARINC 429 communication path.

3. (currently amended) A method in accordance with Claim 2 wherein said remotely operating the software-controlled switch to electronically ~~configuring~~ configure a communication path comprises remotely electronically selecting one of a plurality of ARINC 429 communication paths utilizing the software-controlled switch.

4. (original) A method in accordance with Claim 1 wherein said transmitting a message wirelessly comprises transmitting the message wirelessly utilizing a wireless spread spectrum communication link.

5. (original) A method in accordance with Claim 1 wherein said transmitting a message wirelessly further comprises transmitting an operational program configuration (OPC) file that contains criteria for automated routing.

6. (original) A method in accordance with Claim 1 further comprising triggering said wirelessly downloading data upon a triggering condition.

7. (original) A method in accordance with Claim 6 wherein said triggering condition is setting of a parking brake.

8. (previously presented) A method in accordance with Claim 1 further comprising accumulating records of wireless downloads.

9. (original) A method in accordance with Claim 1 further comprising configuring a header file for the identified LRU to download.

10. (original) A method in accordance with Claim 1 wherein said data wirelessly downloaded comprises operational software.

11. (currently amended) An apparatus for remotely downloading data to a selected one of a plurality of electronic line replaceable units (LRUs) on an ~~mobile platform~~ aeronautical vehicle, said apparatus configured to:

receive a message wirelessly transmitted to the ~~mobile platform~~ aeronautical vehicle identifying an LRU to which data is to be downloaded;

remotely operate an electronic switch to electronically configure a communication path between the identified LRU and an ~~mobile platform~~ aeronautical vehicle data services link in response to the wirelessly transmitted message identifying the LRU; and

wirelessly download data to the identified LRU utilizing the remotely electronically configured communication path.

12. (currently amended) An apparatus in accordance with Claim 11 wherein, the ~~mobile platform~~ aeronautical vehicle is an aircraft and to remotely operate a software-controlled switch to electronically configure a communication path between the identified LRU and the ~~mobile platform~~ aeronautical vehicle data services link in response to the wirelessly transmitted message identifying the LRU, said apparatus is further configured to remotely electronically select one of a plurality of ARINC 429 communication paths.

13. (cancelled)

14. (original) An apparatus in accordance with Claim 11 wherein said apparatus further comprises a wireless spread spectrum transceiver configured to receive said message wirelessly.

15. (original) An apparatus in accordance with Claim 11 further configured to receive an operational program configuration (OPC) file that contains criteria for automated routing.

16. (original) An apparatus in accordance with Claim 11 further configured to trigger said wireless download of data upon a triggering condition.

17. (previously presented) An apparatus in accordance with Claim 16 configured to trigger said wireless download of data upon setting of a parking brake.

18. (original) An apparatus in accordance with Claim 16 further configured to accumulate records of wireless downloads.

19. (original) An apparatus in accordance with Claim 11 configured to wirelessly download operational software.

20. (currently amended) An apparatus for downloading data to a selected one of a plurality of electronic line replaceable units (LRUs) onboard an mobile platform aeronautical vehicle, said apparatus comprising:

a wireless radio transceiver configured to receive a message identifying at least one of said LRUs to which data is to be downloaded;

a communication management unit server responsive to said message received at said wireless radio transceiver identifying the selected LRU; and

a remotely controllable software-controlled electronic switch responsive to said communication management unit server to electronically configure a data path between said wireless radio transceiver and the selected LRU for downloading of data from the wireless radio transceiver to the selected LRU.

21. (currently amended) A method for remotely downloading information to a selected one of a plurality of electronic units located on an structure aeronautical vehicle, comprising:

transmitting a message wirelessly to said structure aeronautical vehicle from a location remote from said structure aeronautical vehicle, to select which one of said electronic units is to receive subsequently transmitted information;

remotely operating a software-controlled switch to remotely configure a communications link with the selected electronic unit, and

wirelessly downloading information transmitted to the structure aeronautical vehicle, to the selected electronic component, utilizing the remotely configured communications link.

22. (cancelled)

23. (cancelled)

24. (currently amended) ~~An mobile platform~~ aeronautical vehicle comprising:

an apparatus for downloading information to a selected one of a plurality of electronic units located onboard the mobile platform, the apparatus including:

a wireless device configured to receive a message identifying at least one of said electronic devices as a selected electronic device to which information is to be subsequently downloaded to;

a subsystem responsive to said wireless device;

a remotely controlled software switch responsive to said subsystem for configuring a data path between said wireless device and said selected electronic device to enable downloading of said information subsequently received by said wireless device, to said selected electronic device, via said data path.